

electrically connected to the positive terminal of the motor (1) by the linear tongue (12) and the negative terminal (13) which is electrically connected to the negative terminal of the motor (1) by the linear tongue (14). Therefore, in order to attach the motor (1) to the battery (3), the positive electrode of the battery (3) must be contacted with the positive terminal (11) having a small surface area and the negative electrode of the battery (3) must be contacted with the negative terminal (13) having a small surface area.

According to the motor as presently claimed, the motor comprises a cylindrical conductive portion, which is electrically connected to one of the electrode terminals and has a relatively large surface area. Thus, it is easy to contact one of the electrodes of the battery with a corresponding electrode terminal of the motor, and it is possible to enhance the rigidity of the electrode terminal of the motor. Therefore, Mabuchi neither teaches nor suggests "a cylindrical case for covering and securing the motor unit, wherein the cylindrical case comprises a first cylindrical conductive portion which is electrically connected to one of the electrode terminals" as recited in claim 1.

Claim 10 is allowable for reasons similar to those discussed above in relation to claim 1. Claims 3, 6, 8-9, 11, 12 and 14 are allowable as depending on claims 1 and 10, as well as for the additional features recited therein.

New claims 16-25 are also allowable as depending on claims 1 and 10, as well as for the additional features recited therein. New claim 26 is allowable for reasons similar to those discussed above in relation to claim 1, i.e., claim 26 recites "a cylindrical case for covering and securing the motor unit, with a first cylindrical conductive portion connected to the first electrical terminal." Prompt consideration and allowance are respectfully requested.

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

Please CANCEL claims 2, 4, 5, 7, 13 and 15, AMEND claims 1, 3, 6 and 8-12 and ADD new claims 16-26 as follows:

For the Examiner's convenience, ALL claims as they current stand are included.

1. (ONCE AMENDED) A motor [with a plurality] comprising:
a motor unit having a pair of electrode terminals[, wherein at least a portion of a case for the motor forms at least one of the plurality]; and
a cylindrical case for covering and securing the motor unit, wherein the cylindrical case comprises a first cylindrical conductive portion which is electrically connected to one of the electrode terminals

3. (ONCE AMENDED) The motor as claimed in claim 1, wherein the [motor] cylindrical case further comprises [two electrode terminals and at least a portion of the case for the motor forms two electrically separated regions, one of which forms one of the two electrode terminals and the other of which forms the other of the two] a second conductive portion which is electrically separated from the first cylindrical conductive portion and connected to the other of the electrode terminals.

6. (ONCE AMENDED) The motor as claimed in claim [4]3, wherein the [other electrode terminal is disposed on an end surface of the motor] second conductive portion is located on an end surface of the case.

8. (ONCE AMENDED) An attachment structure for attaching a motor to a battery, comprising:
[a motor which has two electrode terminals and a case for the motor a portion of which forms at least one of the two electrode terminals; and
a battery for driving the motor;
wherein each of the electrode terminals of the motor is connected to a corresponding electrode of the battery through only a conductive member.]
a motor comprising a motor unit having a pair of electrode terminals and a cylindrical case for covering and securing the motor unit, wherein the case comprises a first

cylindrical conductive portion which is electrically connected to one of the electrode terminals;
and

a battery for driving the motor, wherein the cylindrical conductive portion
connected to the one of the electrode terminals and the other of the electrode terminals are
connected to corresponding electrodes of the battery through only conductive members
respectively.

9. (ONCE AMENDED) An attachment structure [for attaching a motor to a battery,
comprising:

a motor which has two electrode terminals and a case for the motor at least a
portion of which forms two electrically separated regions, one of which forms one of the two
electrode terminals and the other of which forms the other of the two electrode terminals; and

a battery for driving the motor;

wherein each of the electrode terminals of the motor is connected to a
corresponding electrode of the battery through only a conductive member.] as claimed in claim
8, wherein the case further comprises a second conductive portion which is electrically
separated from the first cylindrical conductive portion and connected to the other of the
electrode terminals, and the second conductive portion is connected to a corresponding
electrode of the battery through only a conductive member.

10. (ONCE AMENDED) An attachment structure for attaching a motor to a battery,
comprising:

a motor [which has two electrode terminals and a case for the motor a portion of
which forms at least] comprising

a motor unit having a first electrode terminal and a second electrode terminal
and

a cylindrical case for covering and securing the motor unit, wherein the case
comprises a first cylindrical conductive portion which is electrically connected to [one of] the
[two] first electrode terminal[s]; and

a battery for driving the motor[;], wherein [one of the electrode terminals of the
motor is connected to a corresponding electrode of the battery through only a conductive
member and the other of the electrode terminals of the motor the other of] the second electrode
terminal[s] is connected to a [corresponding] first electrode of the battery through only a

conductive member and the [other of the] cylindrical conductive portion [and the other of the electrode terminals] is connected to a [corresponding] second electrode of the battery directly.

11. (ONCE AMENDED) [An attachment structure for attaching a motor to a battery, comprising:

a motor which has two electrode terminals and a case for the motor at least a portion of which forms two electrically separated regions, one of which forms one of the two electrode terminals and the other of which forms the other of the two electrode terminals; and

a battery for driving the motor;

wherein one of the electrode terminals of the motor is connected to a corresponding electrode of the battery through only a conductive member and the other of the electrode terminals of the motor is connected to a corresponding electrode of the battery directly]The attachment structure as claimed in claim 10, wherein the case further comprises a second conductive portion which is electrically separated from the first cylindrical conductive portion and connected to the second electrode terminal, and one of the first cylindrical conductive portion and the second conductive portion is connected to a corresponding electrode of the battery through only a conductive member and the other of the cylindrical conductive portion and the second conductive portion is connected to a corresponding electrode of the battery directly.

12. (ONCE AMENDED) [An] The attachment structure as claimed in claim 8, wherein at least one of the conductive members can be brought into contact with or away from the battery or the motor.

14. (AS UNAMENDED) The attachment structure as claimed in claim 8, wherein the battery is a button-type one.

-- 16. (NEW) The motor as claimed in claim 3, wherein the second conductive portion forms a cylindrical portion other than the cylindrical conductive portion of the case.

17. (NEW) The motor as claimed in claim 1, wherein the motor unit further comprises a commutator and contact springs and the electrode terminals are electrically connected to the commutator through the contact springs.

18. (NEW) The motor as claimed in claim 1, wherein the cylindrical case further comprises a large case body and a small case body, which comprise recess portions for positioning the motor.

19. (NEW) The motor as claimed in claim 9, wherein the second conductive portion is located on an end surface of the case.

20. (NEW) The motor as claimed in claim 9, wherein the second conductive portion forms a cylindrical portion other than the cylindrical conductive portion of the case.

21. (NEW) The motor as claimed in claim 8, wherein the motor unit further comprises a commutator and contact springs and the electrode terminals are electrically connected to the commutator through the contact springs.

22. (NEW) The attachment structure as claimed in claim 10, wherein at least one of the conductive members can be brought into contact with or away from the battery or the motor.

23. (NEW) The attachment structure as claimed in claim 10, wherein the battery is a button-type one.

24. (NEW) The motor as claimed in claim 11, wherein the second conductive portion is located on an end surface of the case.

25. (NEW) The motor as claimed in claim 10, wherein the cylindrical case further comprises a large case body and a small case body, which comprise recess portions for positioning the motor.

26. (NEW) A motor, comprising:
a rotor with a first electrical terminal at a first end and a second electrical terminal at a second end; and
a cylindrical case with a first cylindrical conductive portion connected to the first electrical terminal. --